

ABSTRACT

An object is to provide an artificial vision system ensuring a wide field of view without damaging a retina. In the artificial vision system, a plurality of electrodes (23) are to be implanted so as to stick in an optic papilla of an eye of a patient. A signal for stimulation pulse is generated based on an image captured by an image pick up device (11) to be disposed outside a body of the patient. The electrical stimulation signals outputted from the electrodes (23) based on the signals for stimulation pulse stimulate an optic nerve of the eye, thereby enabling the patient to visually recognize the image from the image pickup device (11).